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Att Docket No.: 17917-002US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Anne Lunden et al.  
Serial No. : 10/501,032  
Filed : July 8, 2004  
Title : DETECTION OF MUTATIONS

Art Unit : Unknown  
Examiner : Unknown

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL


The following correspondence relating to this application is enclosed for filing:

1. Information Disclosure Statement (1 page);
2. Form PTO-1449 (2 pages);
3. Copies of Cited References (35 references); and
4. A Return Postcard.

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Respectfully submitted,

Date: April 11, 2005

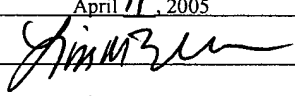
  
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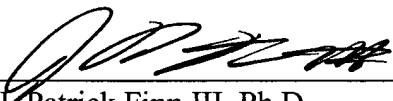
INFORMATION DISCLOSURE STATEMENT

Applicants request consideration of the references listed on the attached PTO-1449 form. Under 37 C.F.R. § 1.98 (a)(2)(ii), only copies of foreign patent documents and/or non-patent literature are enclosed. Copies of any listed U.S. patents or U.S. patent application publications can be provided upon request.

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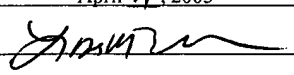
  
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Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	Department of Commerce Patent and Trademark Office	Attorney's Docket No. 17917-002US1	Application No. 10/501,032
	Applicant Anne Lunden et al.		
	Filing Date July 8, 2004	Group Art Unit	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AA	WO 98/23603	06/04/98	PCT				
	AB	WO 01/23603	04/05/01	PCT				

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AC	Akerman et al., "Two Novel Mutations of the <i>FMO3</i> Gene in a Proband with Trimethylaminuria," <u>Human Mutation</u> , 1999, 13:376-379
	AD	Al-Waiz et al., "A genetic polymorphism of the <i>N</i> -oxidation of trimethylamine in humans," <u>Clin. Pharmacol. Ther.</u> , 1987, 42:588-594
	AE	Al-Waiz et al., "Trimethylaminuria: The Detection of Carriers Using a Trimethylamine Load Test," <u>J. Inher. Metab. Dis.</u> , 1989, 12:80-85
	AF	Al-Waiz et al., "Trimethylaminuria (Fish-Odour Syndrome): An Inborn Error of Oxidative Metabolism," <u>The Lancet</u> , 1987, p.634
	AG	Al-Waiz et al., "The metabolism of <sup>14</sup> C-labelled trimethylamine and its <i>N</i> -oxide in man," <u>Xenobiotica</u> , 1987, 17(5):551-558
	AH	Ayesh et al., "The fish odour syndrome: biochemical, familial, and clinical aspects," <u>BMJ</u> , 1993, 307:655-657
	AI	Ayesh and Smith, "Genetic Polymorphism of Trimethylamine N-Oxidation," <u>Pharmac. Ther.</u> , 1990, 45:387-401
	AJ	Basarab et al., "Sequence variations in the flavin-containing mono-oxygenase 3 gene ( <i>FMO3</i> ) in fish odour syndrome," <u>Br. J. Dermatol.</u> , 1999, 140:164-167
	AK	Bolton et al., "The Hen's Egg: Genetics of Taints in Eggs from Hens Fed on Rapeseed Meal," <u>Br. Poult Sci.</u> , 1976, 17:313-320
	AL	Burnett et al., "Cloning and Sequencing of Flavin-containing Monooxygenases <i>FMO3</i> and <i>FMO4</i> from Rabbit and Characterization of <i>FMO3</i> ," <u>J. Biol. Chem.</u> , 1994, 269(19):14314-14322
	AM	Corfield, "Bacterial Fishiness in Milk" <u>Dairy Industries</u> , 1955, pp. 1035-1037
	AN	Culbertson, "RNA surveillance unforeseen consequences for gene expression, inherited genetic disorders and cancer," <u>TIG</u> , 1999, 15(2):74-80
	AO	Dolphin et al., "Missense mutation in flavin-containing mono-oxygenase 3 gene, <i>FMO3</i> , underlies fish-odour syndrome," <u>Nature Genetics</u> , 1997, 17:491-494
	AP	Dolphin et al., "Structural Organization of the Human Flavin-Containing Monooxygenase 3 Gene ( <i>FMO3</i> ), the Favored Candidate for Fish-Odor Syndrome, Determined Directly from Genomic DNA," <u>Genomics</u> , 1997, 46:260-267
	AQ	Eyer et al., "Investigation of the "fishy" odour in coffee creamer," <u>Milchw. Forschung</u> , 1990, 19:43-45
	AR	Forrest et al., "A novel deletion in the flavin-containing Monooxygenase gene ( <i>FMO3</i> ) in a Greek patient with trimethylaminuria," <u>Pharmacogenetics</u> , 2001, 11:169-174

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Other Documents (include Author, Title, Date, and Place of Publication)		
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	AS	Hlavica and Kehl, "Studies on the Mechanism of Hepatic Microsomal <i>N</i> -Oxide Formation. The Role of Cytochrome <i>P</i> -450 and Mixed-Function Amine Oxidase in the <i>N</i> -Oxidation of <i>NN</i> -Dimethylaniline," <u>Biochem. J.</u> , 1977, 164:487-496
	AT	Hobson-Frohock et al., "Egg Taints: Association with Trimethylamine," <u>Nature</u> , 1973, 243:304-305
	AU	Humbert et al., "Trimethylaminuria: The Fish-Odour Syndrome," <u>The Lancet</u> , 1970, pp. 770-771
	AV	Humphriss, "Chromogenic Bacteria and Milk," <u>Dairy Industries</u> , 1953, pp. 781-7782
	AW	Kim et al., "Chemical Test for Detecting Wheat Pasture Flavor in Cow's Milk," <u>J. Dairy Sci.</u> , 1980, 63:368-374
	AX	Lundén et al., "A Nonsense Mutation in the <i>FMO3</i> Gene Underlies Fishy Off-Flavor in Cow's Milk," <u>Genome Research</u> , 2002, 12:1885-1888
	AY	Mehta et al., "Trimethylamine Responsible for Fishy Flavor in Milk from Cows on Wheat Pasture," <u>J. Dairy Sci.</u> , 1973, 57(3):285-289
	AZ	Pearson et al., "The Effect of Thionamides and Related Compounds on Trimethylamine Oxidase Activity in Hepatic Microsomes Isolated From Chickens ( <i>Gallus Domesticus</i> )," <u>Comp. Biochem. Physiol.</u> , 1982, 73C:389-393
	AAA	Pearson et al., "Effect of Rapeseed Meal on Trimethylamine Metabolism in the Domestic Fowl in Relation to Egg Taint," <u>J. Sci. Food Agric.</u> , 1979, 30:799-804
	ABB	Phillips et al., "The molecular biology of the flavin-containing monooxygenases of man," <u>Chemico-Biological Interactions</u> , 1995, 96:17-32
	ACC	Ronaghi et al., "A Sequencing Method Based on Real-Time Pyrophosphate," <u>Science</u> , 1998, 281:363-364
	ADD	Spellacy and Watts, "Trimethylaminuria," <u>J. Inher. Metab. Dis.</u> , 1979, 2:85-88
	AEE	Swoboda and Peers, "Volatile Odorous Compounds Responsible for Metallic, Fishy Taint Formed in Butterfat by Selective Oxidation," <u>J. Sci. Food Agric.</u> , 1977, 28:1010-1018
	AFF	Treacy et al., "Mutations of the flavin-containing monooxygenase gene ( <i>FMO3</i> ) cause trimethylaminuria, a defect in detoxication," <u>Human Molecular Genetics</u> , 1998, 7(5):839-845
	AGG	Von Gunten et al., "Factors Related to the Occurrence of Trimethylamine in Milk," <u>J. Milk Food Technol.</u> , 1976, 39(8):526-529
	AHH	Zhang et al., "Dietary Precursors of Trimethylamine in Man: A Pilot Study," <u>Food and Chemical Toxicology</u> , 1999, 37:515-520
	AII	GenBank Accession No. AF488422 dated 09/27/02
	AJJ	GenBank Accession No. AF488417 dated 09/27/02

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